Professional Karaoke On Demand

User's Guide

DESIGN AND SPECIFICATION ARE SUBJECT TO CHANGE WITHOUT NOTIC!

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FEATURES

Introduction:

The KOD is a multi-function professional hard drive Karaoke-On-Demand jukebox. This new model maintains ease of use but it is much more powerful than ever. The following Key Powerful Features will really impress you and make you have never experienced such easier and faster and humanized operation of the karaoke machine on the market.

This KOD is perfect for Club, DJs, KJs, Pub, rentals, restaurants, other public entertainment or if you simply want to have the ultimate karaoke system for any occasion!

1 Supports High Capacity Of Hard Disk

Supports up to 2000GB hard disk for huge quantities of songs and movies.

2 Supports Multi-format Media

Supports MPEG1（dat，mpg），MPEG2（vob，mpg），MPEG4（avi，divx，xvid）MP3, JPEG formats etc.

3 Easy to add songs by yourself

1. Add songs from PC to hard disk through provided high-speed USB cable
2. Add songs from SD card through built-in card-reader

4 Fantastic effect to cheer up: Applause and flower effects

5 Easy To Change User's Operation Interface :

Provides 3 different styles of user's interface in monitor operation. (Multi-interface available)

6 Supports Single-Screen operation mode and Double-Screen operation mode

7 Humanized operation for song search.

Easy and fast way to search songs by “Artists, Spell, Genres, Word Counts, Language, Song No.” etc.

8 Supports SD card

Allow you to playback songs and pictures from SD card directly.

9 Supports mouse, remote controller, touch screen to operate the system

10 Advertisement

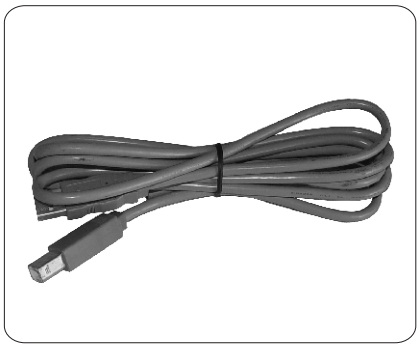
Supports to create your own advertisement in the KOD and playback.

11 Full functions of karaoke such as: Key, Echo, Mic Vol, Music Vol etc

ACCESSORIES

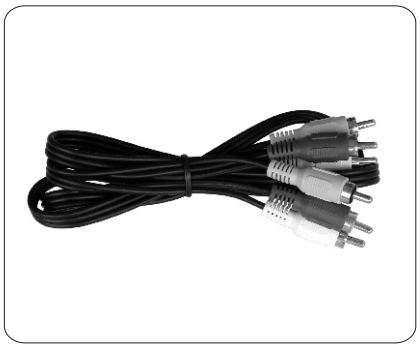
Please make sure the following accessories are included in the box：

The Karaoke-On-Demand Jukebox(Hereinafter called “The KOD”),USB Cable, Remote Controller, AV Cable, User's guide.

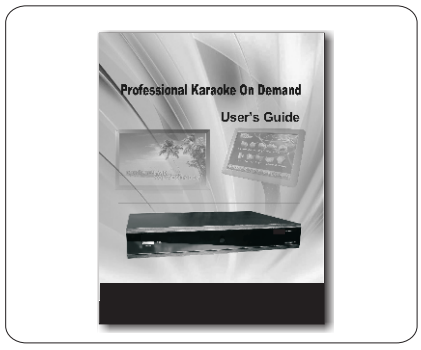


USB Cable

Remote Controller



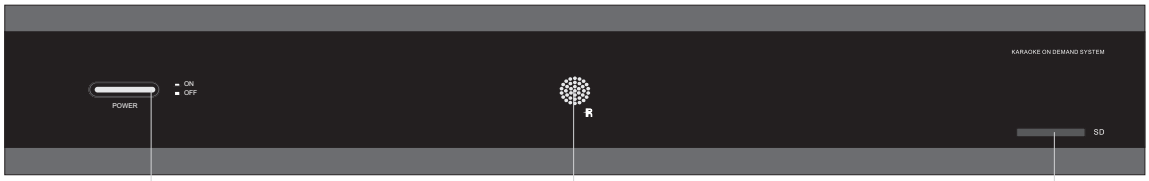
AV Cable



User's Guide

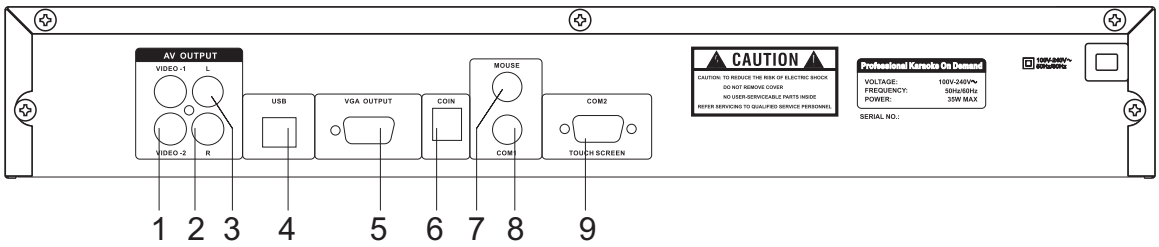
PANEL

Front Panel View



1. Power Button
2. Remote Sensor
3. SD Card Reader

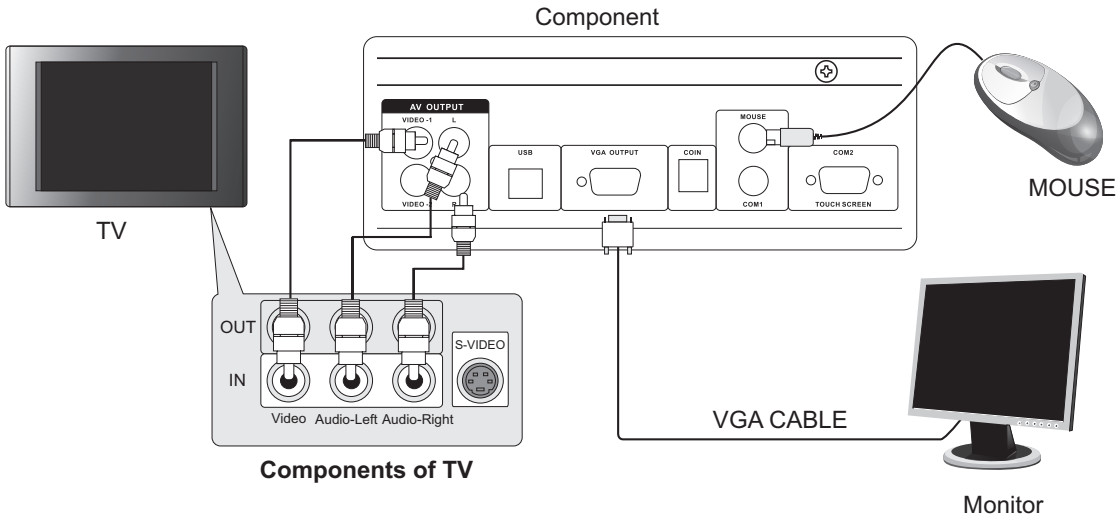
Real Panel View



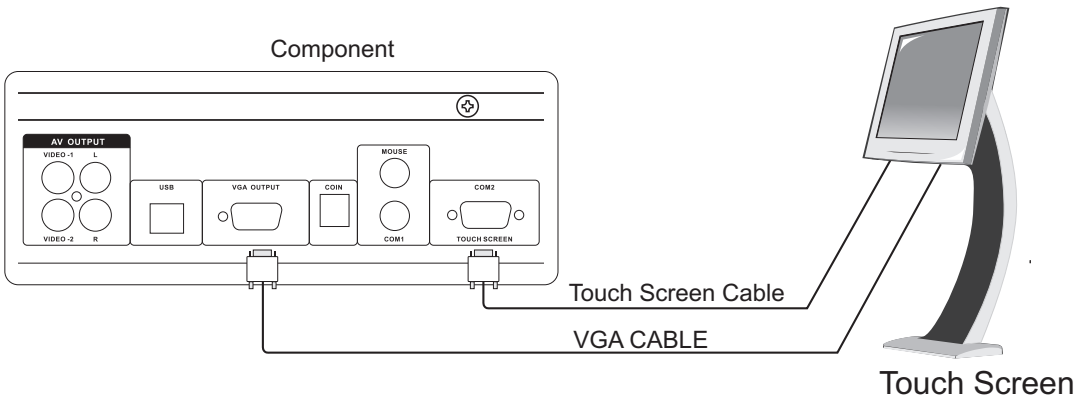
1. Video Output
2. Right Channel Audio Output
3. Left Channel Audio Output
4. USB
5. VGA Output
6. COIN Selector Input
7. MOUSE Input
8. COM1 Input(For touch screen, Extension Control Panel& MCU update)
9. COM2 Input (For touch screen)

Note: COM1 and COM2 can not support two touch screens at the same time. Please select the right one for your touch screen according to the shape of plug.

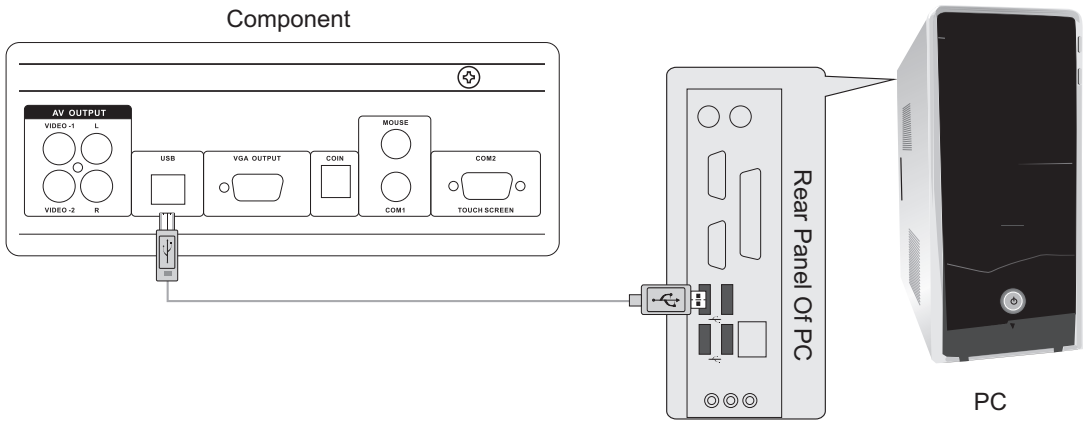
1.TV ,Monitor, Mouse, Audio Connection



2. Touch Screen Connection:

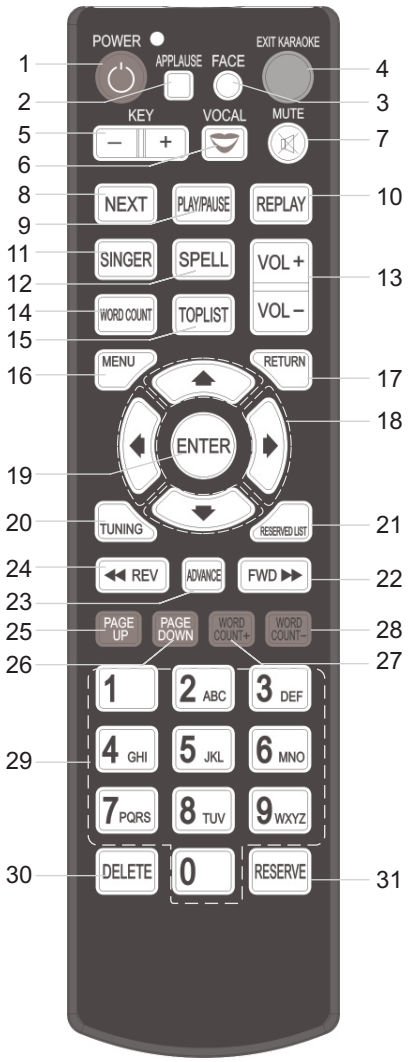


3. USB Connection:



REMOTE CONTROLLER

NO.	NAME	FUNCTION	DOUBIE SCREEN	SINGLE SCREEN
1	POWER	Power stand-by.	√	√
2	APPLAUSE	Show flowers and applause effect.	√	√
3	THEME (FACE)	Switch to different styles of operation interface in monitor.	√	×
4	EXIT KARAOKE	Switch to non-karaoke mode.	√	√
5	KEY +, -	KEY +, -.	√	√
6	VOCAL	Vocal on/ off.	√	√
7	MUTE	Mute all music output.	√	√
8	NEXT	Stop the playing song and go to play next song	√	√
9	PLAY/ PAUSE	Switch between the function of “PLAY” and “PAUSE”.	√	√
10	REPLAY	Repeat the current playing song.	√	√
11	ARTIST (SINGER)	Search a song by artist .	√	√
12	SPELL	Search a song by initial letters of each word of song title.	√	√
13	VOL+, -	Increase or decrease music volume.	√	√
14	WORD COUNTS	Search a song by word counts of song title.	√	√
15	TOP HITS	Search a song by top hit list of songs.	√	×
16	MENU	Accesses main Step up Menu.	√	√
17	RETURN	Return to the previous Menu.	√	√
18	▼▲◀▶	Move cursor by press ▲▼◀▶ Press [◀] or [▶] button for page up /down while listing song titles.	√	√
19	ENTER	Enter and confirm what you select.	√	√
20	TUNING	Open/close tuning menu.	×	√
21	RESERVED LIST	List all reserved songs.	√	√
22	FWD▶▶	Access fast forward scanning while playing Mp3, MTV (DAT, MPG, VOB) files in Non-karaoke Mode.	√	√
23	ADVANCE	Advance a song in reserved list.	√	√
24	REV ◀◀	Access backward scanning while playing Mp3, MTV (DAT, MPG, VOB) files in Non-karaoke Mode.	√	√
25	PAGE UP	Page up.	√	√
26	PAGE DOWN	Page down.	√	√
27	WORD COUNT+	Search a song by word count +.	√	√
28	WORD COUNT-	Search a song by word count -	√	√
29	0—9 (A-Z)	①Press number buttons to search a song directly. ②Press number buttons accordingly to input initial letter of title to search a song ③Press the corresponding number button to enter sub-menu directly.	√	√
30	DELETE	Delete the wrong input.	√	√
31	RESERVE	Reserve song while playing.	√	√



Note:

1. The ID of the Double and Single:
√ means the function is effective,
× means the function is not effective.

2. The remote controller is effective for all functions shown on TV and monitor.

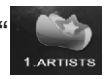
On-Screen-Display interface operation

Touch or click the icon of “ MENU ” to enter main menu. (See Pic.1)

Pic.1

1. ARTISTS

Search a song by initial letter in the name of an artist.

1.1Touch or click “ 

” then it will enter submenu of “ARTISTS”. (See Pic. 1-1)

Tips: You can press [ARTISTS] (or “SINGER”) on the remote controller to enter submenu of “ARTISTS” directly.

Pic.1-1

1.2 Search by artists from countries, areas and gender

1.3 Enter “ARTISTS LIST”(See Pic.1-2) to find an artist or you can touch or click “SEARCH ARTIST” to make you find your desired artist quickly by input the first character(initial letter) of each word of an artist's name. (See Pic.1-3).For example: if you want to search an artist named Baby Fa Honey, then you just need to input the initial letters of her full name as BFH then the photo of Baby Fa Honey will be displayed on screen.

Pic.1-2

Pic.1-3

Tips: ①Press “1-8” buttons accordingly on Remote Controller directly to enter the song list of the selected artist , or you can touch or click the photo of the artist directly to enter his (her) song list.

②Click ⇦ to delete the wrong input.

2. SPELL

Search a song by initial letter of song title:

2.1Touch or click icon“

”to enter “SEARCH A SONG” interface, (See Pic. 2-1):

2.2 Input the first characters (initial letter) of each word of the song title then click or touch “Enter” to search.

SEARCH BY LETTER
Please input initial letter of each word of the song title
1 2 3 4 5 6 7 8 9
A B C D E F G H I
J K L M N O P Q R
S T U V W X Y Z
INITIAL LETTER:
Enter
MENU
Back

Pic.2-1

Tips: ① You can click ⇦ to delete wrong input.

②This “SEARCH BY INITIAL LETTER” function is only effective for Chinese and English song title or any other song title consist of English letters.

3. GENRES

Select a song by “GENRES”.

3.1Touch or click icon “

” to enter “GENRES” menu to search a song, (See Pic.3-1):

Pic.3-1

4. WORD COUNTS:

Search a song by word counts of song title.

“WORD COUNTS” means the number of words in a song title. For example: “WORD COUNTS” of “MY LOVE” is 2 words.

4.1 touch or click icon of “

” directly on the screen to enter “WORD COUNTS” menu.(See Pic. 4-1)

Tips: You can also press [4] on remote controller directly to enter this menu.

Pic.4-1

5. LANGUAGE

Search a song by “LANGUAGE”.

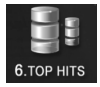
5.1 Touch or click “

”on the screen directly or press [5] on remote controller to enter the menu, (See Pic. 5-1):

Pic.5-1

6. TOP HITS:

Top hit 60 songs inside the KOD with the most of times were ordered in the past will be listed.

6.1Touch or click icon of “ 

” or Press [6] on remote controller directly to enter “SONG LIST” menu, (See Pic.6-1):

You can also press [TOPHITS] (or “TOPLIST”) on remote controller to enter “SONG LIST” menu directly too.

SONG LIST
PAGE
1 The day you went away RESERVE
2 long long ago RESERVE
3 You are my life RESERVE
4 Not going amy where RESERVE
5 me mory. RESERVE
6 Every body RESERVE
7 In your eyes RESERVE
Press RESERVE confirm;press DELETE for canceling UP Down
MENU Back

Pic.6-1

7. SONG NO.:

Search a song by number.

7.1 Touch or click "

" to enter "SEARCH BY NUMBER" menu, (See Pic. 7-1):

Pic.7-1

7.2 Song number must be 5 digits.

7.3 Song title will be displayed in the window of "Song Title" after inputting an effective song number, then touch or click icon of [RES.] on screen or press [ENTER] on Remote Controller to play or reserve this song.

7.4 If you want to check all reserved songs, please touch or click icon of "RESERVED" on the screen. (See Pic.10-1)

8. New:

Search the latest updated songs.

8.1Touch or click icon of "

" on screen or Press [8] on remote controller to enter "SONG LIST" menu to see the latest updated songs list.(See Pic.8-1):

SONG LIST
PAGE
1 A DONDE VA NUESTRO AMOR RESERVE
2 ADIOS PARA SIEMPRE RESERVE
3 BESO A BESO DULCEMENTE RESERVE
4 CAMINOS DE MICHOACAN RESERVE
5 DEVUEL VEME A MI CHICA RESERVE
6 ENTRE DOS TIERRAS RESERVE
7 HIMNO A LA ALEGRIA RESERVE
1 2 3 4 5 6 7 8 9 ALL
Press RESERVE confirm;press DELETE for canceling UP Down
MENU Back

Pic.8-1

9. MOVIES:

Select a movie by different types.

9.1 Touch or click the icon of "

" on screen directly or Press [9] on remote controller to enter "TYPE" menu. (See Pic.9-1):

Pic.9-1

0. THEMES:

You can change to different style of display background on the screen. The first 3-times click will change background in English version, another second 3-times click will change background in Chinese version, click continually then it will change to English version again.

10. Reserved List:

Display reserved songs list in this menu. You can select a song in the list then touch or click the icon of "ADVANCE" to take priority to play or touch the icon "Delete" to delete the song from reserved list.

DOUBLE-SCREEN PLAY MODE

10.1 Click “Reserved List” to see the reserved songs list, (See Pic.10-1):
10.2 In “Reserved List”, You can select a song in the list then touch or click the icon of “ADVANCE” to take priority to play or touch the icon “Delete” to delete the song from reserved list .
10.3 In “Reserved List”, you can select a song then touch or click the icon of “Delete” or press [DELETE] on remote controller directly to delete a song from reserved list.

Pic.10-1

▶ :Start to play a song.
❚❚ :Pause the current playing.

Applause: Press [Applause], Effect of applause music and flowers will be effective.
VOCAL: Vocal on/off
NEXT: Stop current playing then go to play the next reserved song.
REPLAY: Repeat the current playing song.
MUTE: Mute all audio signal output.
VOL-: Music volume down.
VOL+: Music volume up.
MENU: Enter main menu.
BACK: Return to the previous menu.

Tips: 1. There is a number for each item in main menu, you can press the number buttons on remote controller directly to select the item.

2. There are numbers [1] to [9] appear on the bottom of “SONG LIST”, they are shortcut of corresponding “word counts”, [1] represents songs with one word, [9] represents those songs with nine words and so on. You can touch or click the icon of number directly to get corresponding word counts of songs. (See Pic.11)

Pic.11-1

SINGLE-SCREEN PLAY MODE

In single-screen play mode you are allowed to use remote controller to access all below functions only.

Press [MENU] on remote controller to enter main menu:

● There is a number for each item shown on TV screen. You can select the corresponding number to enter an item or press [▲ ▼ ◀ ▶] directly on remote controller to move cursor to the item you choose then press [ENTER] to access.

1. ARTIST:

Press [▲,▼] to select “ARTIST” then press [ENTER] or [1] directly to enter “ARTIST” menu then you can select a song according to the artist's name.

2. SPELL:

2.1 Press [▲,▼] to select “SPELL” then press [ENTER] or [2] directly to enter “SPELL” menu. Input the initial letter of each word of song title to search a song.

For example: song title is “Pretty Girl”, you can input initial letter of each word “PG” then press [ENTER]to search.

3. GENRE:

Press [▲,▼] to select “GENRE” then press [ENTER] or [3] directly to enter.

4. WORD COUNT:

Press [▲,▼] to select “WORD COUNT” then press [ENTER] or [4] directly to enter then search a song by word count of the song title.

5. LANGUAGE:

Press [▲,▼] to select “LANGUAGE” ,then press [ENTER] or [5] directly to enter then search a song by language.

6. NEW:

Press [▲, ▼] to select “NEW” then press [ENTER] or [6] directly to enter then select a song from the latest updated songs list.

Tips: Press [RETURN] to return to the previous menu; press [MENU] again to exit.

7. Operation of other buttons:

7.1. Tuning:

Press [TUNING] to enter “tuning” menu then press [▲,▼] to select an item then press [▶, ◀] to adjust.

7.2. Reserved List:

Press [Reserved List] to enter reserved songs list.

Press [▲,▼]to select a song in reserved list then press [ADVANCE] to take priority to play after the current playing song.

7.3. Replay:

Press [REPLAY] to repeat the current playing song.

7.4.NEXT:

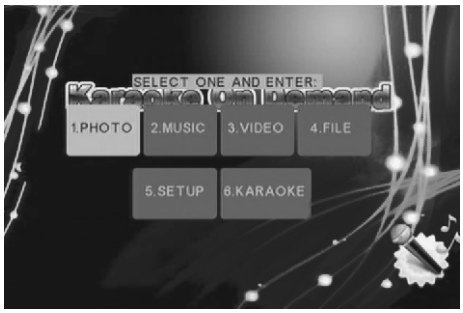
Press [NEXT] to stop the current playing song and play the next reserved song.

7.5. WORD COUNTS+, WORD COUNTS -

Enter “WORD COUNT” menu then search a song by word counts accordingly.

NON-KARAOKE PLAY MODE

In non-karaoke play mode you are allowed to use remote controller to access all below functions only.
Press [EXIT KARAOKE] then press [ENTER] to enter non-karaoke mode.



- Press item number directly or move cursor to the item then press [ENTER] to get into selected menu.
- Before you try to play back contents from items of “1.PHOTO,2.MUSIC, 3.VIDEO” please enter the menu “4.FILE” first to select SD or HD you want to play back from.

Tips: Enter “4.FILE”→press [▼] to select HD or SD →press [ENTER] to confirm→press[RETURN] to exit then all contents in hard disk or SD will be listed on TV screen.

1. PHOTO：Play back photos from hard disk or SD card.

1.1 Enter “1.PHOTO” then contents inside this item will be displayed automatically. Press [▲,▼] to select then [ENTER] to play back.

1.2 Press [PLAY/PAUSE] to play or pause playing; Press [RETURN] to exit.

Tips: If there are hard disk and SD card inside the KOD but you didn't select a target item before browsing photos, the system will play contents from hard disk automatically first then SD card.

2. MUSIC: Play MP3 from HD or SD card

※ If there are MP3 songs in both of subdirectory and root directory of HD or SD card , system will list MP3 songs from root directory first, then subdirectory.

HD MUSIC LIBRARY
GIRL - 叫姐姐 - 黑 3:39
GROOVE COVERAGE 05 I NEED YO 5:40
GROOVE COVERAGE - IN MY DREAM 4:22
GROOVE COVERAGE - ONLY LOVE 3:27
GROOVE COVERAGE-SHE) 3:47
HANNAH MONTANA - THE BEST OF B
HAPPY GO-苏醒
LUCKY - 小甜甜布兰妮 3:49
Repeat: All
Song: 0049/0066

2.1 Enter “MUSIC” menu, then MP3 songs will be played back from the first one automatically, press [▲ ,▼] to select a song to play; press [◀ , ▶] to page up or page down.

2.2 Press [NEXT] to stop current playing and go to play the next song, press [RETURN] or [0] to exit “MUSIC” menu.

Note: “HD MUSIC LIBRARY” means you are playing from hard disk, If there is “SD MUSIC LIBRARY ” shown on the screen then means you are playing contents from SD card.

3 . VIDEO: You can play files in AVI, DAT, MPEG VOB format from HD and SD card

Note: Because VOB is too big to be played back smoothly in SD card so please do not put this kind of format into SD card.

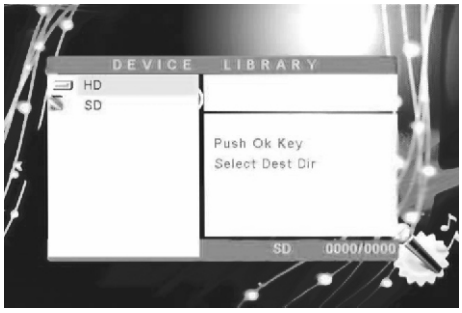
3.1 Enter “VIDEO” menu then press [▲ ,▼] to select a file to play.

3.2 When a file is playing, press [NEXT] then all files will be listed on TV screen, press [▲ , ▼ , ► , ◄] then [ENTER] to select and play.

3.3 Press [RETURN] to exit “VIDEO” menu.

4. FILE: Enter “4.FILE” to browse all contents in HD or SD card:

4.1 Press [▲] or [▼] to select HD or SD card then press [ENTER] to enter.

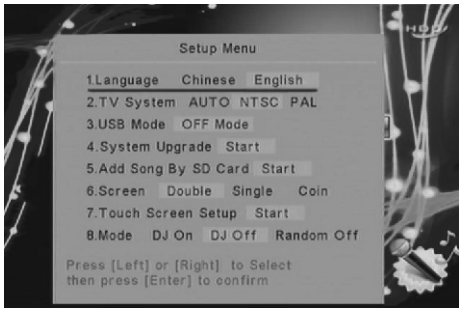


Hard disk is the system disk for karaoke mode, there are system files and folders such as KARAOKVOB；LIST; MOVIE; ad_pic; PicPack.dat; TaiPack.dat in root directory of hard disk, please do not rename or delete those files and folders or the KOD will not work properly.

5. SETUP :

Press [►],[◄]or [5] directly to move cursor to “5.SETUP” then press [ENTER] to enter “Setup Menu”.

※You can press the item number directly to select an item.


Setup Menu
1.Language Chinese English
2.TV System AUTO NTSC PAL
3.USB Mode OFF Mode
4.System Upgrade Start
5.Add Song By SD Card Start
6.Screen Double Single Coin
7.Touch Screen Setup Start
8.Mode DJ On DJ Off Random Off
Press [Left] or [Right] to Select
then press [Enter] to confirm

“Coin” function is effective under Double-Screen operation mode only.

※Please input default password :88888888 if you want to exit from “Coin” operation mode.

HOW TO ADD UP SONGS

You are allowed to use remote controller to access all below operations only.

I. Add songs from PC. (Please make sure there is a hard disk inside the KOD)

You should connect the KOD to PC through USB cable properly then turn on power of the KOD before the following steps of operation.

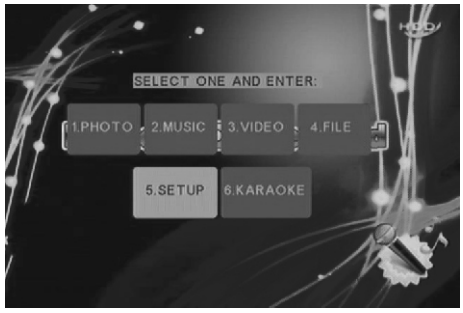
1.1 Set up connection between KOD and PC:

Connect the KOD to PC properly through a provided USB cable then turn on power.

1) Press [EXIT KARAOKE] to switch to non-karaoke mode.(See Pic.1.2-1)

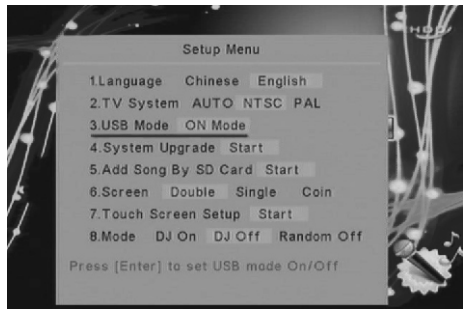
Pic.12-1

2) Press [5] to select “5. SETUP” then press [ENTER] to get into “Setup Menu”.(See Pic. 1.2-2)



Pic.12-2

3) Press [3] directly or [▲ ,▼] to select “3. USB mode” then press [ENTER] to set to “ON Mode”, (See Pic.1.2-3)


Setup Menu
1.Language Chinese English
2.TV System AUTO NTSC PAL
3.USB Mode ON Mode
4.System Upgrade Start
5.Add Song By SD Card Start
6.Screen Double Single Coin
7.Touch Screen Setup Start
8.Mode DJ On DJ Off Random Off
Press [Enter] to set USB mode On/Off

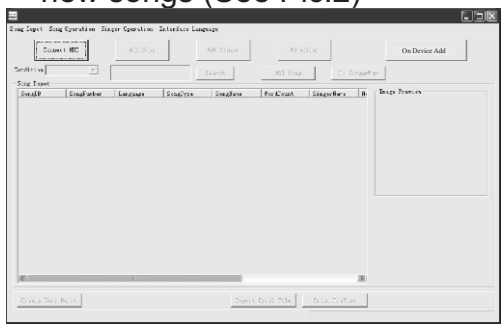
Pic.12-3

4) Wait few second, If PC detects there is USB connected then a USB Icon will be displayed on the PC taskbar

Tips: If there is no TV for above operations to get into USB mode, you can press [MENU] and hold on a few seconds when you turn on KOD then there is an USB icon will be displayed on the PC taskbar

.If PC still can not detect USB please turn off KOD and try again.

1.2. Install and run the software of “Createsonglist&photo” to add up new songs (See Pic.2)



Pic.2

- For the reason of different version for different areas and countries, maybe there is no Software tool of “Createsonglist&photo” in hard disk of the KOD, if you want to know more about details of adding new songs please contact your supplier.

II.Add up new songs from SD card to hard disk inside the KOD

1.Insert a SD card into PC and run software for add up new songs then click "On Device Add" to add songs to the SD card accordingly.

1.1 Click "On Device Add".

1.2 Add song or singer.

1.3 Click “Create song depot”.

1.4 Select SD card letter.

1.5 Finish.

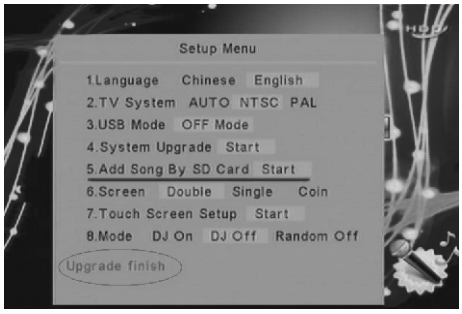
2. After finishing to add up new songs into SD card, move the SD card from PC to the KOD.

3. Enter “Setup Menu” and select “5.Add Song By SD Card” then press [ENTER] on remote controller(See Pic.3-1)

1.Language Chinese English
2.TV System AUTO NTSC PAL
3.USB Mode OFF Mode
4.System Upgrade Start
5.Add Song By SD Card Start
6.Screen Double Single Coin
7.Touch Screen Setup Start
8.Mode DJ On DJ Off Random Off
Upgrading....please wait.

Pic.3-1

4. It will start to transfer data from SD to hard drive inside the KOD then there will be “Upgrade finished” shown on the bottom of setup menu after finishing all data transfer. (See Pic.4-1)


Setup Menu
1.Language Chinese English
2.TV System AUTO NTSC PAL
3.USB Mode OFF Mode
4.System Upgrade Start
5.Add Song By SD Card Start
6.Screen Double Single Coin
7.Touch Screen Setup Start
8.Mode DJ On DJ Off Random Off
Upgrade finish

Pic.4-1

5. Press [0] or [RETURN] on remote controller to exit Setup Menu. Done!

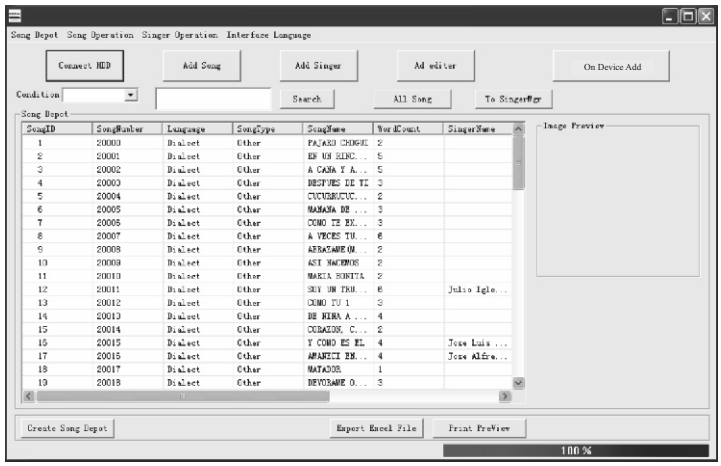
Note: Please don't make any operations while the system is processing or it will lose all data of songs.

III. Trouble shooting of adding new songs

Phenomenons	Solutions
?Added songs can't play	➢ Check whether the format of added songs is compatible with the KOD. ➢ Before adding songs from SD card please check if there are duplicated song numbers with hard drive inside the KOD, if it is then please change to use different number or it will not be played back.
?Display “Upgrade fail SD card not present” when adding songs through SD card	➢ Make sure SD card is connected firmly and properly into KOD machine, Reinsert SD card into KOD machine. ➢ There are two ways to check whether SD card is connected firmly and properly: 1) in non-karaoke mode, the picture of main menu will shake for a second while insert SD card, that means the system can detect data from SD;2) Ente“4.FILE ”menu, if you see there is HD and SD in device list, means the system has detected SD card successfully. (HD:hard disk: SD: SD card) ➢ Check label on SD card to make sure it is a standard SD card. If you see there is a mark of “SDHC” on it, that means it is a SDHC card, but not a standard SD card, The KOD supports standard SD Card only. Usually a SD card under 2GB will be compatible with the KOD.
?Display"Song list Not found" when adding songs through SD card.	➢ Make sure there are KARAOKVOB folder and LIST folder in root directory of SD card. Make sure there are related files and folder in above mentioned folder.
? There is no vocal or the function of vocal on/off works conversely	➢ Please check whether the channel of original song is normal or not, if it is not, please add the song again through add-song-tools (Createsonglist&photo), and select different item of vocal channel accordingly.
? Can not find a song with two artists or more in singer list	➢ When you add up a new song with two artists or more please use “&” to divide the name of artist in singer list

1.Setup connection between KOD and PC (see “1.2 How to set up connection between KOD and PC”) .

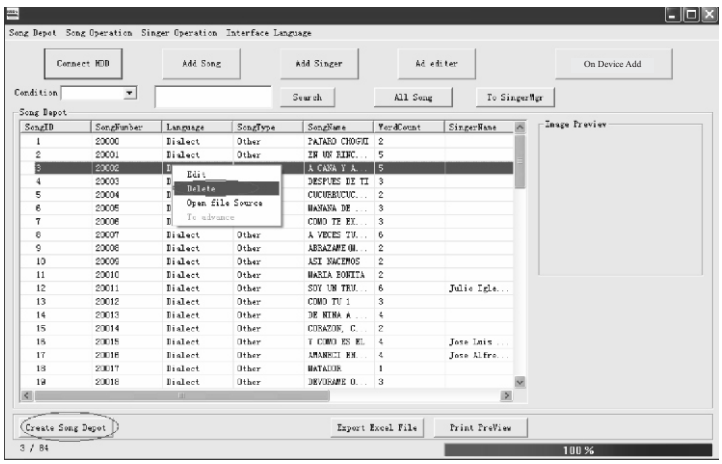
2.Run software tool of “Createsonglist&photo” then click “Connect HDD” and wait until information of song tracks were listed on PC(See Pic.2-1)



Pic.2-1

Note: How long it will take to list all information of song tracks depends on performance of PC and capacity of hard drive; usually it will take about 30 seconds.

3. Move cursor to the target you want to delete then right click by mouse(See Pic.3-1)



4. Click “Delete” then click “Create Song Depot” ;

5. Exit “Setup Menu”, Done!

TROUBLE SHOOTING, NOTES

Trouble shooting

Phenomenons	Solutions
?Remote controller doesn't work	➢Remove the obstacles in the path between remote controller and KOD. ➢Make sure the batteries are inserted correctly and still power.
?No picture, no color, the picture is rolling vertically	➢Make sure connecting cables are not defective. ➢Make sure everything is connected firmly and properly. ➢Make sure all of your components are turned on. ➢Make sure all of the components (amplifier, TV,KOD machine etc) are setting right. ➢Make sure settings of the KOD match your TV system (PAL/NTSC/AUTO) .
?No sound	➢Make sure audio cable is connected firmly and properly. ➢Make sure connecting cable is not defective. ➢Make sure all of your components (TV, amplifier, the KOD) are turned on and volume setting is not in minimum. ➢Make sure all of the components (amplifier, TV, the KOD etc) are setting right.
?Unable to enter Karaoke Mode (The screen display: HARD DISK SELECT ON AND ENTER)	➢Make sure the name of folder in root directory of hard disk must be "karaokvob" Make sure there are songs in "Karaokvob" folder. ➢Make sure there is a file "Syspack.sfl" in the root directory of HD. ("Syspack.sfl" is a file of font, don't delete it)
?Song can't play properly	➢Make sure there are songs in the right way of subfolders under "KARAOKVOB" in the root directory of HD . ➢Make sure there is "list.dat" in "LIST" folder under the root directory of HD. ("list.dat" is a index file of songs.)
?No display order songs picture	➢Make sure there is a file “Picpack.dat” in the root directory of HD. (“Picpack.dat” is a data file for pictures)

Notes

1 Please read this user's manual carefully before operation.

2 To reduce the risk of fire or electric shocks, do not expose the machine to rain or moisture. Do not use it near water.

3 Please do not open the top cover. Leave all servicing to qualified maintenance personnel.
Please make sure all components are connected properly before turn on the KOD machine.

4 Do not shut down the machine when system is initializing. Press [POWER] button on remote controller before switch off [POWER] button in front panel of KOD machine.

5 To keep proper aeration of the KOD when it is using for long time.

SPECIFICATIONS

Audio Characteristics	Output Voltage(V)	2.0(+0.2 -1.0)
	Frequency Response	20Hz-20kHz ±3dB
	Signal/Noise Ratio(dB)	⩾80
	Dynamic Range(dB)	⩾70(1kHz)
	Distortion And Noise(dB)	⩽-60(1kHz)
	Channel Separation(dB)	⩾70(1kHz)
Video Characteristics	Horizontal Definition(TV line)	⩾250
	TV System	AUTO/NTSC/PAL
	Video Out Up-p(V)	1.0±0.2
	Output Impedance（Ω）	75Ω
General	Power Voltage	AC 100－250V/50-60Hz
	Power Consumption	35W MAX
	Unit Size	305mm×430mm×70mm
	Net Weight(no hard drive included)	3 KG
HD	Dimension	3.5"
	Interface	SATA
	Max. Capacity	⩽2000GB
	File System	FAT32
	Subarea	Primary Partition
SD	Max. Capacity	2GB